



## **Water Efficiency Rating & Requirements**

## Mandatory Water Efficiency Labelling Scheme (MWELS)

| Products/Fittings   | Flow Rate/Flush Capacity Requirements                     |   |
|---|---|---|
| Water efficiency rating   | 2-tick<br>✓✓  | 3-tick<br>✓✓✓   |
| Shower Taps & Mixers (L/min)  | > 5 to 7  | 5 or less   |
| Basin Taps & Mixers (L/min)   | > 2 to 4  | 2 or less   |
| Sink/Bib Taps & Mixers (L/min)  | > 4 to 6  | 4 or less   |
| Dual-flush flushing Cisterns (litres per flush)                       | > 3.5 to 4.0 (full flush)<br>> 2.5 to 3.0 (reduced flush) | 3.5 or less (full flush)<br>2.5 or less (reduced flush) |
| Urinal Flush Valve & Waterless Urinals (litres per flush)             | > 0.5 to 1  | 0.5 or less or waterless urinals                        |
| Water closet (WC) flush valves (litres per flush)<br>-from 1 Jan 2022 | >3.5 to 4.0   | 3.5 or less   |

*From 1 Apr 2019, only 2-ticks and above fittings are allowed for supply and installation.*

*From 1 Jan 2022, MWELS shall be extended to include WC flush valves with a flush volume of not more than 4.0 litres per flush, and only WC flush valves of 2-ticks ratings or more shall be allowed for supply.*

*From 1 Jan 2023, WC flush valves installed at premises shall be of minimum 2-ticks or more under the MWELS.*

Any innovative design of tap or mixer (i.e. basin, sink/bib and shower) which meet specific purposes is to be reviewed and cleared by PUB with specific conditions applied on a case-by-case basis.

| Appliances   | Water Consumption Requirements |                     |                    |                     |
|--|--------------------------------|---------------------|--------------------|---------------------|
| Water Efficiency Rating  | 1-tick<br>✓                    | 2-tick<br>✓✓        | 3-tick<br>✓✓✓      | 4-tick<br>✓✓✓✓      |
| <b>Clothes Washing Machines</b> (Per Washload)                   | NA                             | > 9 to 12 litres/kg | > 6 to 9 litres/kg | 6 litres/kg or less |
| <b>Dishwashers</b> (Per Place Setting) – effective on 1 Oct 2018 | >1.2 to 1.5 Litres             | >0.9 to 1.2 Litres  | >0.6 to 0.9 Litres | 0.6 litres or less  |

## Mandatory Minimum Water Efficiency Standards

| Commercial Equipment        | Types   | Water Efficiency Requirements |
|-----------------------------|---|-------------------------------|
| Commercial Washer Extractor | <ul style="list-style-type: none"> <li>• Front load</li> <li>• Top load</li> </ul>  | ≤ 8.0 L / kg                  |
| Commercial Dishwasher       | <ul style="list-style-type: none"> <li>• Undercounter</li> <li>• Hood</li> </ul>  | ≤ 2.4 L / rack                |
| High Pressure Washer        | <ul style="list-style-type: none"> <li>• For general cleaning except for the following use:                             <ul style="list-style-type: none"> <li>- household</li> <li>- steam cleaning or hot water pressure washing</li> <li>- washing of equipment or vehicles</li> </ul> </li> </ul> | ≤ 11.0 L / min                |

*From 1 Jan 2022, only commercial washer extractors, commercial dishwashers and high pressure washers which are registered under MWELS and fulfil the mandatory water efficiency requirements shall be allowed for supply in Singapore.*

## Voluntary Water Efficiency Labelling Scheme (VWELS)

| Products/Fittings       | Flow Rate/Flush Capacity Requirements |          |           |
|-------------------------|---------------------------------------|----------|-----------|
| Water Efficiency Rating | 1-tick                                | 2-tick   | 3-tick    |
|                         | ✓                                     | ✓✓       | ✓✓✓       |
| Showerheads (L/min)     | > 7 to 9                              | > 5 to 7 | 5 or less |